

IN THE CLAIMS

Please amend the claims as follows:

1-7. Canceled.

8. (currently amended) ~~Device~~ A device for the pneumatic conveyance of powdered material, comprising: a powder material supply, a first chamber and a second chamber, a delivery line, the first chamber which can be alternately connected to the powder material supply through a first pinch valve, the second chamber connected to the powder material supply through a second pinch valve, the first chamber connected to the a reservoir and a delivery line through a third pinch valve, the second chamber connected to the delivery line through a fourth pinch valve, wherein one of said chambers receives powder from the supply while the other of said chambers discharges powder to the delivery line in alternating sequence, each said chamber being at least partially defined by a wall of a rigid hollow cylinder formed of by a gas-permeable material element, and to which negative pressure can be applied through the gas-permeable material element to draw gas out of the chamber and to fill the chamber with to receive powder material from the supply reservoir, and into which compressed gas can be admitted through the gas permeable material element into the chamber to force the powdered material, which had previously been drawn into the chamber, out of the chamber to the delivery line, the element comprising a rigid hollow cylinder wherein said rigid hollow cylinder comprises a gas-permeable material.

9-27. Canceled.

28. (Currently Amended) The device of claim 8 comprising a spray gun connected to the delivery line, powdered material being conveyed from the supply to the spray gun by alternating filling and emptying said first and second chambers wherein the gas-permeable element comprises a filter element.

29. (Previously Presented) The device of claim 8 wherein the gas-permeable element comprises a sintered material.

30. (Previously Presented) The device of claim 29 wherein said material comprises sintered plastic powder.

31. (Previously Presented) The device of claim 30 wherein said material comprises a pore size of less than about 20 micrometers.

32. (Previously Presented) The device of claim 30 wherein said material comprises a pore size of less than about 5 micrometers.

33. (Currently Amended) The device of claim 8 comprising a source of pressurized purge gas, and a valve for admitting purge gas into the chamber other than by filtering through a radial opening in said gas-permeable wall.

34. (Previously Presented) The device of claim 33 wherein the compressed gas that passes through the gas-permeable wall and forces material out the chamber also cleans an interior surface of the gas-permeable wall.

35. (Currently Amended) The device of claim 8 wherein each said cylinder has a longitudinal axis, and further wherein material enters the chamber from one axial end thereof and exits the chamber from the opposite axial end thereof.

36-38. Canceled.

39. (Currently Amended) ~~Device System~~ for pneumatic conveyance of material, the ~~device system~~ comprising: a supply of material, a spray gun, a feed line connected to the supply, a delivery line connected to the spray gun and a device that conveys material from the supply to the spray gun; the device having an inlet connected to the feed line and an outlet connected to the delivery line, material is conveyed from the supply through the feed line by the device into the delivery line to the spray gun, the device comprising first and second chambers with one of said chambers when under negative pressure receiving powder from the feed line while the other of said chambers when under positive pressure discharges powder to the delivery line in alternating sequence, each said chamber comprising a hollow rigid cylinder element that is comprised of a gas-permeable material, said element having first and second ends along a longitudinal axis, and first and second elastic members with each said elastic member being disposed at a respective end of said rigid element.

40. (Currently Amended) The system device of claim 39 comprising for each said cylinder wherein said first and second elastic members that lie coaxial with said cylinder rigid

~~element~~ longitudinal axis to define an interior material flow path ~~or conveyance route~~ between an inlet end of the device and an outlet end of the device.

41. (Currently Amended) The system device of claim 40 wherein said inlet and outlet ends are further defined by first and second pinch valves that are respectively disposed on inlet and outlet sides of said cylinder rigid element, said pinch valves controlling flow of material through the device by opening and closing said elastic members.

42-43. Canceled.

44. (Currently Amended) The system device of claim 39 comprising a source of purge gas, and a valve for admitting purge gas into the chamber other than by filtering through a radial opening in said gas-permeable material rigid element.

45-67. Canceled.

68. (New) The device of claim 35 wherein said first and second chambers are arranged side by side with parallel longitudinal axes.

69. (New) The system of claim 39 wherein said first and second chambers are arranged side by side with parallel longitudinal axes.

70. (New) The system of claim 39 comprising a source of pressurized purge gas, and control device to admit purge gas into each said chamber other than by filtering through said gas-permeable material.